

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (previously amended) A method of operating a satellite communication system comprising:
 - coordinating multiple terminals in a satellite network such that the symbol timing of each of the multiple terminals in the satellite network are synchronized;
 - configuring a frequency separation for each of the multiple terminals to obtain near orthogonality condition at the reception between a desired demodulated channel and transmissions on neighboring channels;
 - wherein the multiple terminals generate signals using one of a one-dimensional ALOHA and two-dimensional ALOHA access scheme.
2. (previously amended) In an orthogonal frequency division multiplexed satellite system, a method comprising establishing symbol synchronization between multiple remote terminals utilizing a central clock recovered from a reference downstream channel output from a satellite; wherein the multiple terminals generate signals using one of a one-dimensional ALOHA and two-dimensional ALOHA access scheme.
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (previously amended) An apparatus comprising a hub including one or more antennas, RF transceivers, modulators, demodulators, clocks, and digital signal processors, the

Appl. 09/957,464
Amendment dated October 19, 2004
Response to Office Action of July 19, 2004

hub being configured to receive signals using an OFDMA scheme and to transmit timing information to a plurality of remote terminals based on a timing synchronization feedback/acknowledgement loop, said signals being generated using one of a one-dimensional ALOHA and two-dimensional ALOHA access scheme.

10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)